

a foamed coating (2) based on a siliceous material and containing at least one organic plastic coated on said fiber mat (3);

wherein said fiber mat (3) is provided between said coating (2) and said mineral wool body (1).

2. The acoustically transparent mineral wool product according to claim 1, wherein said product is obtained by a process comprising:

applying a foamed coating mass on a mineral wool [product] body laminated with a fiber mat and

subsequent drying, wherein the coating mass comprises the following composition:

20-40% (wt.) silica sol (40% (wt.) solid content SiO_2)

10-25% (wt.) plastic dispersion

1-5% (wt.) aluminum hydroxide

0.5-2% (wt.) foaming agent

0.05-1% (wt.) foam stabiliser

balance: water, and

optionally flameproofing agent and/or further additions.

3. The acoustically transparent mineral wool product according to claim 1, wherein said fiber mat (3) is a glass wool mat.

4. The acoustically transparent mineral wool product according to claim 1, wherein said foamed coating (2) is at least one of electrically conductive and magnetically active.

5. The acoustically transparent mineral wool product according to claim 4, wherein said foamed coating further contains:
at least one of electrically conductive and magnetically attenuating substances.

7. The acoustically transparent mineral wool product according to Claim 1, wherein the weight per surface unit of said fiber mat (3) is 20 to 150 g/m².

8. A process for producing a mineral wool composite product, said composite material comprising:
a mineral wool body having first and second sides;
a fiber mat (3) provided on at least one side of said mineral wool body; and
a foamed coating (2) based on a siliceous material and containing at least one organic plastic coated on said fiber mat (3);
such that said fiber mat (3) is provided between said coating (2) and said mineral wool body (1);
said process comprising:
applying a foamed coating (2) on the basis of a siliceous binder on a fiber mat lamination (3) of a mineral wool product, and
bursting the foam bubbles through drying.

13. A coating mass for the production of an acoustically transparent mineral wool product having the following composition:

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20-40% (wt.) silica sol (40% (wt.) solid content SiO₂)
1-5% (wt.) aluminum hydroxide
0.5-2% (wt.) foaming agent
0.05-1% (wt.) foam stabiliser
balance: water, and
optionally flameproofing agent and/or further additions,
wherein said coating mass comprises 10-25% (wt.) plastic
dispersion.

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14. The acoustically transparent mineral wool product according to claim 5, wherein said electrically conductive and/or magnetically attenuating substances are selected from the group consisting of powdered carbon, carbon fibers, graphite, in particular expanded graphite, mu-metal, chromium dioxide, metal whisker, carbonyl iron.

15. The acoustically transparent mineral wool product according to claim 6, wherein said foam layer forming agents are selected from the group consisting of expanded graphite and pentaerythritol.

16. The acoustically transparent mineral wool product according to claim 7, wherein the weight per surface unit of said fiber mat (3) is 40 to 80 g/m².

17. The acoustically transparent mineral wool product according to claim 7, wherein the weight per surface unit of said fiber mat (3) is approx. 60 g/m².
